

DOCUMENT NO. \_\_\_\_\_  
NO CHANGE IN CLASS.   
DECLASSIFIED  
CLASS. CHANGED TO: TS S *2012*  
REL REVIEW DATE: *2012*  
4071P HR 702  
DTE: 16/2/62 REVIEWER:

OKC-6344-64  
Copy 8 of 8

23 January 1964

25X1

MEMORANDUM FOR THE RECORD

SUBJECT : J58 Development Test Hour Status Requested by FAA

25X1A  
1. The following has been requested of Pratt & Whitney  
by

a. Total full scale J58 (JT11) engine test hours  
accumulated to date.

b. Total J58 (JT11) full scale engine and compressor  
component test hours accumulated to date at simulated  
supersonic flight conditions. (List hours versus each  
significant mach number condition.)

2. As far as Headquarters knows, the following information  
has been made available to certain USAF and Navy  
personnel in "confidential" semi-annual progress reports  
covering the period through April 1962:

Total J58 engine test hours	3350
J58 engine test hours at or above	
Mach 1.5	328
Mach 2.0	201
Mach 2.5	52
Mach 3.0	23

Testing of the engine with Mach 3.2 environmental  
conditions at the engine inlet has been conducted.

3. At present, Headquarters records indicate that the  
J58 development status is:

Total J58 engine test hours	11,226
JT11D-20 engine test hours	5,290
JT11D-20 engine hours at or above Mach 2.0	1,947
JT11D-20 engine hours at or above Mach 3.0	1,312

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Relating this status to previous engine programs such as the J57 and J75, it becomes apparent that the J38/JT11 program is in the vicinity of a 150 hour Mission Qualification Test.

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[redacted]  
ASD/OSA

25X1A Robert [redacted] ASD/OSA:gp (23 January 1964)

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